



# **LibraryStation**

## **Messages and Codes Guide**

**Release 5.1**

**313487302**

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# About this Guide

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This guide describes messages and codes for LibraryStation 5.1.

## Intended Audience

This guide is intended for all LibraryStation users including operators, system programmers, system analysts, storage administrators, system specialists, and operations specialists.

## Reader's Comments

We'd like to know what you think about this guide. E-mail your comments to Software Information Development directly. Our Internet address is:

`sid@stortek.com`

Be sure to include the number and title of the guide you are referencing.

## About the Software

LibraryStation 5.1 is supported by this guide.

## How this Guide is Organized

This guide contains the following chapters and appendices:

- **Chapter 1, "General Information"** provides an overview of the message format used in this guide
- **Chapter 2, "LibraryStation Messages"** provides a listing of LibraryStation messages.
- **Chapter 3, "Table Values"** provides a listing of LibraryStationabend reason codes, system return codes, and Remote Procedure Call (RPC) messages.
- **Appendix A, "Gathering Diagnostic Materials"** provides instructions for gathering diagnostic materials for Software Support.
- **Appendix B, "Message Change Summary"** provides a listing of new, changed, and deleted messages for this release.

A glossary and index are also included.

## Conventions Used in this Guide

### Typographic

In the JCL examples in this guide, some fields appear in lower case. You must update these fields to match your installation requirements.

### Symbols

The following symbols are used to highlight text in this guide:



**Note:** Information that may be of special interest to you. Notes are also used to point out exceptions to rules or procedures.



**Warning:** Information necessary to keep you from damaging your hardware or software.

## Related Publications

The following publications contain information about specific topics relating to the use of LibraryStation.

### StorageTek Nearline Control Solution (NCS) Publications

- *NCS (MVS/HSC, LibraryStation, MVS/CSC, SMC) Installation Guide*
- *Requesting Help from Software Support*

### StorageTek LibraryStation Publications

- *LibraryStation Configuration Guide*
- *LibraryStation Operator and System Programmer's Guide*

### StorageTek Storage Management Component (SMC) Publications

- *SMC Configuration and Administration Guide*

### StorageTek Host Software Component (MVS/HSC) Publications

- *MVS/HSC Configuration Guide*
- *MVS/HSC Operator's Guide*
- *MVS/HSC System Programmer's Guide*
- *MVS/HSC Messages and Codes Guide*



## StorageTek Client System Component (MVS/CSC) Publications

- *MVS/CSC Configuration Guide*
- *MVS/CSC Operator's Guide*
- *MVS/CSC System Programmer's Guide*
- *MVS/CSC Messages and Codes Guide*

## StorageTek Virtual Storage Manager Publications

- *VTCS Installation and Configuration Guide*
- *VTCS Administration Guide*
- *VTCS Messages and Codes Guide*
- *VTCS Reference*

## StorageTek Automated Cartridge System Library Software (ACSLS) Publications for the UNIX-Based LCS

- *ACSLS Installation and Services Manual*
- *ACSLS Programmer's Guide*
- *ACSLS System Administrator's Guide*

## StorageTek Common Library Services (CLS) Publications

- *CLS Installation Manual*
- *CLS Messages and Codes Manual*
- *CLS Reference Manual*
- *CLS Reference Summary Card*
- *CLS User's Guide*

## Technical Support

StorageTek Software Support and the StorageTek Customer Resource Center (CRC) maintain information about known LibraryStation Release 5.1 product updates. You can contact Software Support or access the CRC for the latest information available concerning product updates (i.e. documentation, PTFs, PUTs).

See the *Requesting Help from Software Support* guide (included in the NCS package) for information about contacting StorageTek for technical support and for requesting changes to software products, or access StorageTek's CRC homepage at:

<http://www.support.storagetek.com>



**Note:** You must obtain a login ID and password in order to access the CRC. You can request a login ID and password from the CRC homepage.



# Chapter 1. General Information

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## Overview

This chapter describes LibraryStation message formats and variable definitions. The information in this manual is provided to help system programmers and operators:

- Initialize Librarystation
- Monitor LibraryStation activity
- Diagnose and correct LibraryStation problems
- Keep LibraryStation running correctly



**Note:** See Appendix B, “Message Change Summary” on page 63 for a summary of new, changed, and deleted messages for this release.

## Message Formats

LibraryStation system messages help you interpret and respond to the informational, diagnostic, and error messages issued by LibraryStation during operation.

Each message consists of the following:

- A three-letter prefix identifying the component that produced the message; a message serial number identifying individual messages; and a one-character message identifier
- Message text used to provide information, describe an error, or request an operator action

Messages are shown in the traditional MVS format of SLS nnnnx, where:

- SLS identifies LibraryStation
- *nnnn* is a four-digit message identifier
- *x* is a message type identifier, as follows:

D = decision

E = error

I = information

Each message contains a description and additional information including explanation, system action, and user response (depending on the message type).

## Variable Definitions

Message-specific information is symbolized by the following:

**Table 1. Variable Data Definitions**

Variable Data	Definition
<i>AA</i>	ACSid
<i>AAL</i>	CAPid or LSMid location (ACSid and LSMid or CAPid)
<i>AA:LL:PP:DD</i>	Drive location (ACSid, LSMid, panel, device number)
<i>AAL:PP:RR:CC</i>	Cartridge location (LSMid, panel, row and column)
<i>C</i>	Variable information (character data)
<i>ddd.ddd.ddd.ddd</i>	Indicates dotted-decimal form used for Internet addresses
<i>D</i>	Indicates a decimal value
<i>volser</i>	Volume serial number
various letters (i.e. C, E, F, etc.)	Variable information (character data)
<i>X</i>	Indicates a hexadecimal value
{ }	Indicates available choices
[ ]	Indicates an optional field (may not appear in message)

## Chapter 2. LibraryStation Messages

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**SLS3000I**      *variable message text*

**Explanation:** Contains variable message text that can be used as a diagnostic aid.

**System Action:** None.

**User Response:** None.

**SLS3101I**      Unexpected status SSSSSSSS for command CCCCCCCC

**Explanation:** An unexpected status SSSSSSSS during acknowledgment or response processing was detected for command CCCCCCCC.

**System Action:** Acknowledgment or response is NOT sent to the client issuing the command. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3102I**      Unexpected task creation failure on request RRRRRRRR, RC = EEEEEEEE

**Explanation:** LibraryStation was unable to create a task to process request RRRRRRRR. System return code (errno) was EEEEEEEE.

**System Action:** The task is not created for request RRRRRRRR, and the request is rejected. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3103I**      Unexpected index IIIIIIII for command CCCCCCCC

**Explanation:** During LibraryStation termination, an outstanding request CCCCCCCC caused an invalid table index IIIIIIII to be found.

**System Action:** LibraryStation termination continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

- SLS3104I** Failed to allocate IPC mechanism, RC = *EEEEEEEE*
- Explanation:** LibraryStation was unable to create an IPC mechanism for processing a request. The IPC creation return code was *EEEEEEEE*.
- System Action:** The request is rejected. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3105I** Invalid address *AAAAAAAA* for message
- Explanation:** LibraryStation cannot send a response back to IPC socket address *AAAAAAAA*.
- System Action:** The response is not sent. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3106I** Invalid search direction *DDDDDDDD*
- Explanation:** LibraryStation request table search received an invalid search direction *DDDDDDDD*.
- System Action:** The request currently being processed is rejected. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3107I** Invalid exit status *SSSSSSSS* returned from process id *PPPPPPPP*
- Explanation:** LibraryStation detected an exiting request process *PPPPPPPP* with an invalid exit status *SSSSSSSS*.
- System Action:** LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3108I** Invalid message identifier *IIIIIIII*
- Explanation:** LibraryStation detected an invalid message identifier *IIIIIIII* while processing the final or intermediate response for the request.
- System Action:** The response message is not sent. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3109I** Invalid terminate flag *FFFFFFFF*

**Explanation:** LibraryStation received an invalid terminate flag *FFFFFFFF* during termination.

**System Action:** LibraryStation termination continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3110I** Unable to access queue member *MMMMMMMM*

**Explanation:** LibraryStation detected an inaccessible queue member *MMMMMMMM* during request processing.

**System Action:** The current request is rejected. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3111I** Unable to delete queue member *MMMMMMMM*

**Explanation:** LibraryStation detected a queue member *MMMMMMMM* during request processing that could not be deleted.

**System Action:** LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3112I** Unable to find matching queue member to process id *PPPPPPPP*

**Explanation:** LibraryStation was unable to find the matching queue member after process id *PPPPPPPP* terminated.

**System Action:** LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3113I** Unable to create request queue *QQQQQQQQ*

**Explanation:** LibraryStation was unable to create queue *QQQQQQQQ*.

**System Action:** Processing for the current request is terminated. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3114I** Received null pointer to request packet

**Explanation:** LibraryStation detected a bad request pointer during request processing.

**System Action:** Processing for the current request is terminated. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3115I** Blank socket name for message destination

**Explanation:** LibraryStation cannot send a response back to a blank IPC socket.

**System Action:** The response message is not sent. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3116I** Message sequence out of order; final already received

**Explanation:** LibraryStation detected a message sequence out of order during request response processing.

**System Action:** The additional response is not sent to the request submitter. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3117I** Unexpected error EEEEEEEE; LM terminating

**Explanation:** The LibraryStation Library Manager (LM) detected an unrecoverable error during request processing.

**System Action:** The Library Manager terminates. LibraryStation will attempt to recover.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3118I** Unexpected LM state SSSSSSSS; LM terminating

**Explanation:** The LibraryStation Library Manager (LM) detected an invalid system state.

**System Action:** The Library Manager terminates. LibraryStation will attempt to recover.

**User Response:** If the problem persists, contact StorageTek Software Support.



- SLS3119I** Final response generated for CCCCCCCC; status SSSSSSSS sent to RRRRRRRR
- Explanation:** LibraryStation sent status SSSSSSSS for command CCCCCCCC to socket RRRRRRRR during completion processing.
- System Action:** LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3120I** Unexpected exit status SSSSSSSS from command CCCCCCCC
- Explanation:** LibraryStation detected an invalid status SSSSSSSS from a request process for command CCCCCCCC.
- System Action:** LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3121I** Transmission of message to itself on socket SSSSSSSS
- Explanation:** LibraryStation detected an attempt to send a request packet to itself on socket SSSSSSSS.
- System Action:** The request packet is not sent. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3122I** Residual request RRRRRRRR detected: queue QQQQQQQQ, process id PPPPPPPP
- Explanation:** LibraryStation detected a non-returning process for request RRRRRRRR in queue QQQQQQQQ. The non-returning process had process id PPPPPPPP.
- System Action:** A final response is sent to the request originator. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3123I** Error in request queue QQQQQQQQ; queue recreated
- Explanation:** LibraryStation detected an abnormal queue condition in queue QQQQQQQQ.
- System Action:** The request queue is recreated. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.

- SLS3124I** Inconsistencies found in request queue *QQQQQQQQ* corrected
- Explanation:** LibraryStation detected an inconsistency in queue *QQQQQQQQQ*.
- System Action:** The inconsistent queue is corrected. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3125I** Unexpected member identifier *IIIIIIII*
- Explanation:** LibraryStation detected an abnormal request table queue member *IIIIIII*.
- System Action:** The unexpected queue member is removed from the queue. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3126I** Unexpected status *SSSSSSSS* for request member *MMMMMMMM*
- Explanation:** LibraryStation detected an unexpected status *SSSSSSSS* during request completion processing for queue member *MMMMMMMMM*.
- System Action:** The member is removed from the request queue. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3128I** LM has been restarted; LM state is RUN
- Explanation:** The LibraryStation Library Manager (LM) was restarted. The current state is RUN.
- System Action:** LibraryStation processing continues.
- User Response:** None.
- SLS3129I** Queue access for member *MMMMMMMM* failed
- Explanation:** The LibraryStation Library Manager (LM) detected an abnormal request queue accessing member *MMMMMMMMM*.
- System Action:** The Library Manager terminates. LibraryStation will attempt to recover.
- User Response:** If the problem persists, contact StorageTek Software Support.

- SLS3130I** Process CCCCCCCC terminated; status SSSSSSSS, process id PPPPPPPP
- Explanation:** LibraryStation detected an exiting process for command CCCCCCCC with status SSSSSSSS.
- System Action:** LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3131I** Exit status SSSSSSSS received from CCCCCCCC, process id PPPPPPPP
- Explanation:** LibraryStation detected an exiting process for command CCCCCCCC with status SSSSSSSS.
- System Action:** LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3132I** CCCCCCCC process failed to start up
- Explanation:** LibraryStation detected a process creation failure for command CCCCCCCC.
- System Action:** The failed process is removed. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3134I** Query request not found on request queue
- Explanation:** LibraryStation was unable to find the request queue member for a query server request.
- System Action:** The query server request is not processed. LibraryStation processing continues.
- User Response:** If the problem persists, contact StorageTek Software Support.
- SLS3201I** Unmapped previously registered RPC service
- Explanation:** LibraryStation is registering as an RPC service but was already registered. The previous registration is dropped.
- System Action:** LibraryStation processing continues.
- User Response:** None.

### **SLS3202I**      Creation of RPC TCP service failed

**Explanation:** LibraryStation was attempting to assign port, socket, and transport identifiers for RPC TCP services and was unable to do so.

**System Action:** LibraryStation continues to attempt the assignment every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

### **SLS3203I**      Registration of RPC TCP service failed

**Explanation:** LibraryStation was unable to register as an RPC TCP service.

**System Action:** LibraryStation continues to attempt to register every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

### **SLS3204I**      Creation of RPC UDP service failed

**Explanation:** LibraryStation was attempting to assign port, socket, and transport identifiers for RPC UDP services and was unable to do so.

**System Action:** LibraryStation continues to attempt the assignment every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

### **SLS3205I**      Registration of RPC UDP service failed

**Explanation:** LibraryStation was unable to register as an RPC UDP service.

**System Action:** LibraryStation continues to attempt to register every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

### **SLS3206I**      Initiation of CSI failed

**Explanation:** LibraryStation was unable to initialize the CSI component. The initialization failed due to conditions other than the network interface service.

**System Action:** LibraryStation CSI attempts to initialize five times. If the CSI is unable to initialize, LibraryStation terminates.

**User Response:** Contact StorageTek Software Support.

**SLS3207I**      Creation of connect queue failed

**Explanation:** The LibraryStation CSI connection queue could not be created.

**System Action:** LibraryStation CSI initiation fails.

**User Response:** Contact StorageTek Software Support.

**SLS3208I**      Creation of network output queue failed

**Explanation:** The LibraryStation CSI network output queue could not be created.

**System Action:** LibraryStation CSI initiation fails.

**User Response:** Contact StorageTek Software Support.

**SLS3209I**      Queue member locate failed for *CCCCCCCC* queue, member *DDDDD*

**Explanation:** LibraryStation was attempting to locate a member of a queue and was unable to do so.

**System Action:** The member of the queue is ignored. LibraryStation processing continues.

**User Response:** None.

**SLS3210I**      Queue member deletion failed for *CCCCCCCC* queue, member *DDDDD*

**Explanation:** LibraryStation was attempting to delete a member of a queue and was unable to do so.

**System Action:** The member of the queue is ignored.

**User Response:** None.

**SLS3211I**      Operating system error *DDDDD*

**Explanation:** A system routine failure occurred.

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.

**SLS3212I**      Unexpected signal received, value *DDDDD*

**Explanation:** LibraryStation received an undefined signal.

**System Action:** The signal is ignored.

**User Response:** None.

**SLS3213I** Invalid RPC procedure number

**Explanation:** The LibraryStation CSI detected an invalid RPC procedure number.

**System Action:** The request is ignored.

**User Response:** None.

**SLS3215I** RPC reply to client request message failed

**Explanation:** An attempt to acknowledge a client request message failed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3216I** RPC TCP client connection failed, reason CCCCCCCC, address DDDDDDDDDD, port DDDDDDDD

**Explanation:** The LibraryStation CSI attempted to connect with the client but failed.

**System Action:** LibraryStation continues to attempt to connect every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

**SLS3217I** RPC UDP client connection failed, reason CCCCCCCC, address DDDDDDDDDD, port DDDDDDDD

**Explanation:** The LibraryStation CSI attempted to connect with the client but failed.

**System Action:** LibraryStation continues to attempt to connect every 30 seconds.

**User Response:** Verify that all software required for network communications has been initiated.

**SLS3218I** Invalid network protocol

**Explanation:** LibraryStation determined that the client request was neither UDP or TCP protocol.

**System Action:** LibraryStation ignores the client request.

**User Response:** Verify that TCP or UDP protocol is being used for client requests.

**SLS3219I** Queue creation failure

**Explanation:** The LibraryStation CSI connection queue could not be initialized.

**System Action:** LibraryStation CSI initiation fails.

**User Response:** Contact StorageTek Software Support.

**SLS3220I** Queue member status request failed for *CCCCCCCC* queue, member *DDDDD*

**Explanation:** LibraryStation was attempting to locate a member of a queue and was unable to do so.

**System Action:** The member of the queue is ignored.

**User Response:** None.

**SLS3221I** Queue member insert request failed for *CCCCCCCC* queue, member *DDDDD*

**Explanation:** LibraryStation was attempting to add a member to a queue and was unable to do so.

**System Action:** The new member is discarded.

**User Response:** None.

**SLS3222I** Cleanup of *CCCCCCCC* queue, member *DDDDD* removed

**Explanation:** LibraryStation has removed a member from a queue that has aged beyond the time specified by the REQTIME keyword on the LSINIT initialization parameter statement.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3223I** Undefined message has been discarded

**Explanation:** LibraryStation received a message packet that was too small or that was undefined to LibraryStation.

**System Action:** LibraryStation discards the message packet.

**User Response:** None.

**SLS3225I** Message for unknown client discarded

**Explanation:** LibraryStation received a message packet for an unknown client.

**System Action:** LibraryStation discards the message packet.

**User Response:** None.

**SLS3227I** Cannot read message from LM

**Explanation:** The LibraryStation CSI was unable to read a message packet from the Library Manager (LM).

**System Action:** LibraryStation ignores the message packet.

**User Response:** None.

**SLS3228I** Cannot send message to network, reason CCCCCCCC, address DDDDDDDDDDD, port DDDDD

**Explanation:** LibraryStation attempted to send a message packet to the network but was unable to do so.

**System Action:** The message packet is discarded.

**User Response:** None.

**SLS3230I** XDR message translation failure

**Explanation:** LibraryStation attempted to translate a field of a client message and failed.

**System Action:** LibraryStation ignores the message.

**User Response:** None.

**SLS3231I** Error freeing XDR argument memory

**Explanation:** LibraryStation attempted to free memory containing XDR arguments and failed.

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.



**SLS3232I** Dropping queue message, address *DDDDDDDDDD*, port *DDDD*, identifier *DDDD*, protocol *DDDD*, connect type *DDDD*

**Explanation:** A client message has not been sent and the connect\_agetime interval has expired. The client message is discarded.

**System Action:** The client message is deleted from the queue.

**User Response:** None.

**SLS3233I** Improperly defined network host name or address

**Explanation:** LibraryStation attempted to determine the network host name or address and was unable to do so.

**System Action:** The LibraryStation CSI process fails.

**User Response:** Verify that the host network name and address are correctly defined in the TCP/IP configuration.

**SLS3234I** Duplicate packet from LM discarded

**Explanation:** The LibraryStation Library Manager (LM) sent the same message packet more than once.

**System Action:** The duplicate message packet is ignored.

**User Response:** None.

**SLS3236I** Duplicate packet from network discarded, address *DDDDDDDDDD*, process ID *DDDD*, sequence number *DDDDDDDD*

**Explanation:** The network sent a duplicate message packet.

**System Action:** The duplicate packet is ignored.

**User Response:** None.

**SLS3237I** Unexpected network failure status, error *DDDD*

**Explanation:** A system routine failure occurred. The network error number is displayed. The description of each possible error number follows.

Error Number:	Descriptive Error Text:
101	Interrupted system call
102	I/O error
103	Bad file number
104	Not enough core
105	Permission denied
106	Bad address
107	Invalid argument
108	File table overflow
109	Too many open files
110	Broken pipe
111	Operation would block
112	Operation now in progress
113	Operation already in progress
114	Socket operation on non-socket
115	Destination address required
116	Message too long
117	Protocol wrong type for socket
118	Protocol not available
119	Protocol not supported
120	Socket type not supported
121	Operation not supp'd on socket
122	Protocol family not supported
123	Address fam not supp by proto
124	Address already in use
125	Can't assign requested address
126	Network is down

127	Network is unreachable
128	Network dropped conn reset
129	Software caused conn abort
130	Connection reset by peer
131	No buffer space available
132	Socket is already connected
133	Socket is not connected
134	Can't send aft socket shutdown
135	Connection timed out
136	Connection refused
137	Host is down
138	No route to host
139	ICMP source quench received
140	Destination unreachable
141	USER configuration error
142	System related error
143	Transport provider ended
144	API subsystem ended

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.

**SLS3238I** Invalid command specified in message

**Explanation:** LibraryStation received an unrecognized command in a message packet.

**System Action:** The message packet is ignored.

**User Response:** None.

**SLS3239I** Invalid type specified in message

**Explanation:** LibraryStation received an unrecognized type in a message packet.

**System Action:** The message packet is ignored.

**User Response:** None.

**SLS3240I** Invalid connection queue aging time *TTTTT* specified; default of *DDDDDDDD* seconds substituted

**Explanation:** The LibraryStation initiation parameter REQTIME specified on the LSINIT control statement has an invalid value. This is the period of time after which LibraryStation will no longer retain messages for possible retransmission to client systems that were unreachable.

**System Action:** The default value of 172800 seconds, or 48 hours, was used.

**User Response:** The command should be corrected to avoid future error messages.

**SLS3241I** Invalid location type specified in message

**Explanation:** LibraryStation received an unrecognized location type in a message packet.

**System Action:** The message packet is ignored.

**User Response:** None.

**SLS3242I** Invalid version number *DDDDD* specified in message

**Explanation:** An unsupported or invalid version number was set in a message packet.

**System Action:** The message packet is ignored.

**User Response:** None.

**SLS3243I** Invalid procedure specified in CSI message header

**Explanation:** The LibraryStation CSI message header contained an invalid procedure identifier.

**System Action:** LibraryStation continues to process the message packet.

**User Response:** None.

**SLS3244I** Invalid translation syntax specified in CSI message header

**Explanation:** The LibraryStation CSI determined that the translation syntax was not XDR.

**System Action:** LibraryStation continues to process the message.

**User Response:** None.

**SLS3245I** Invalid transmission protocol specified in CSI message header

**Explanation:** The LibraryStation CSI determined that the transmission protocol was not TCP, UDP, or ADI.

**System Action:** LibraryStation continues to process the message.

**User Response:** None.

**SLS3246I** Network interface failure, attempting recovery

**Explanation:** The network interface has failed after being available.

**System Action:** LibraryStation frees up the network interface resources and attempts to restart the network interface.

**User Response:** Verify that all software required for network communications is operational.

**SLS3247I** CSI network interface state {active|startup}

**Explanation:** The LibraryStation CSI network interface state is now active or is being restarted.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3256I** {Sending|Receiving} net CCCCCCCC,  
{REQUEST|ACKNOWLEDGE|INTERMEDIATE|FINAL}, SSI seq: DDDDDDDD,  
hdrseq: DDDDDDDD

**Explanation:** LibraryStation is either sending or receiving a message packet. This information is provided to allow the sending/receiving client to validate packet sequencing and uniqueness. CCCCCCCC is the command associated with the request. SSI seq: DDDDDDDD is the sequence number of the requesting client, and hdr seq: DDDDDDDD is the sequence number of the packet.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3300I** PDF error, key=XXXXXXXXXXXX, func=CCCCCCCC

**Explanation:** An unrecoverable I/O error has occurred. “Key” is the key of the record involved and “func” is the name of the routine where the I/O error occurred.

**System Action:** The I/O operation is not performed.

**User Response:** If the problem is hardware-related, reallocate the PDF and restart LibraryStation. If the problem persists, contact StorageTek Software Support.

**SLS3301I** PDF error, incorrect length record: DDDD

**Explanation:** A record was retrieved from the database that was not the length that was expected. DDDD is the length of the record retrieved.

**System Action:** The I/O request will fail.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3302I** Error closing PDF

**Explanation:** An error was encountered while closing the Persistent Data File (PDF).

**System Action:** None.

**User Response:** None, except it may indicate a hardware problem with the device where the PDF resides.

**SLS3303I** No LS drives configured

**Explanation:** During LibraryStation initialization, it was determined that no drives were LIBGENed for LibraryStation use.

**System Action:** Initialization continues but any network requests that need a drive will fail.

**User Response:** Add LibraryStation drives in the MVS/HSC LIBGEN.

**SLS3304I** Unable to open the PDF

**Explanation:** During LibraryStation initialization, an attempt to open the Persistent Data File (PDF) failed.

**System Action:** LibraryStation will terminate.

**User Response:** Verify that the PDF has been properly allocated. If the problem persists, contact StorageTek Software Support.

- SLS3350I** LS initialization started (VN.N.N)  
**Explanation:** LibraryStation initialization has started. N.N.N is the LibraryStation version number.  
**System Action:** None.  
**User Response:** None.
- SLS3351I** LS restarted task CCCCCCCC  
**Explanation:** A LibraryStation task failed and was restarted.  
**System Action:** None.  
**User Response:** None.
- SLS3352I** LS initialization complete  
**Explanation:** LibraryStation has completed initialization.  
**System Action:** None.  
**User Response:** None.
- SLS3353I** Invalid PID XXXXXXXX received  
**Explanation:** An internal error was detected. A function returned an invalid value.  
**System Action:** LibraryStation processing continues.  
**User Response:** Contact StorageTek Software Support.
- SLS3354I** LS task CCCCCCCC failed - terminating  
**Explanation:** The LibraryStation task CCCCCCCC failed excessively.  
**System Action:** LibraryStation terminates.  
**User Response:** Attempt to restart LibraryStation with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3355I** Exit status (*NNN*), *CCCCCCCC1*, received from *CCCCCCCC2*

**Explanation:** A LibraryStation task *CCCCCCCC2* terminated prematurely with the specified status.

**System Action:** If the status in *CCCCCCCC1* is DATABASE\_ERROR, RECOVERY\_FAILED, or CONFIGURATION\_ERROR, LibraryStation will terminate. Otherwise, it will attempt to restart the task.

**User Response:** If LibraryStation terminates, attempt to restart it with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3356I** Signal *NN* received from *CCCCCCCC*

**Explanation:** The LibraryStation task *CCCCCCCC* terminated after receiving the specified signal.

**System Action:** LibraryStation attempts to restart the task.

**User Response:** None.

**SLS3357I** Error received, ret = *NNN*, error = *NNN*

**Explanation:** An internal error was received. A function returned an invalid value.

**System Action:** LibraryStation terminates.

**User Response:** Attempt to restart LibraryStation with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3358I** LS unable to create a task - terminating

**Explanation:** LibraryStation attempted to attach a task and failed.

**System Action:** LibraryStation terminates.

**User Response:** Attempt to restart LibraryStation with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3359I** LS task *CCCCCCCC* failed to initialize

**Explanation:** A task attached by LibraryStation failed to signal the parent that it had completed initialization.

**System Action:** LibraryStation terminates.

**User Response:** Attempt to restart LibraryStation with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.



**SLS3360I** CCCCCCCC received unexpected signal NNN

**Explanation:** A LibraryStation task received a signal it was not designed to handle.

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.

**SLS3361I** LS termination started

**Explanation:** LibraryStation has started terminating.

**System Action:** Termination continues.

**User Response:** None.

**SLS3362I** LS termination complete

**Explanation:** LibraryStation has completed termination.

**System Action:** None.

**User Response:** None.

**SLS3363I** (C) COPYRIGHT STORAGETEK (YYYY-YYYY)

**Explanation:** This message is issued at LibraryStation initialization.

**System Action:** None.

**User Response:** None.

**SLS3364I** Duplicate LSINIT command ignored

**Explanation:** A second LSINIT control statement was specified in the MVS/HSC parameter data set.

**System Action:** LSINIT commands after the first are ignored.

**User Response:** Remove the extra LSINIT statements from the MVS/HSC parameter data set.

### **SLS3365I** LS initialization deferred

**Explanation:** The DEFER option was specified in the LSINIT statement in the MVS/HSC parameter data set.

**System Action:** LibraryStation does not automatically initialize at MVS/HSC initialization.

**User Response:** Use the LS INIT operator command to start LibraryStation.

### **SLS3366I** LS active on CCCCCCCC

**Explanation:** At LibraryStation initialization, it was determined that another instance of LibraryStation was active. To prevent damage to the LibraryStation PDF, a SYSTEMS ENQ is used to ensure that no other copy of LibraryStation is active in the GRS ring. CCCCCCCC is the GRS SYSNAME on which the other instance of LibraryStation is active.

**System Action:** LibraryStation does not initialize.

**User Response:** Determine the correct host on which to execute LibraryStation. Shutdown LibraryStation on the other host. The ENQ qname is the HSC ENQ qname. This can be displayed with an HSC "D CDS" command. The ENQ rname is "LS:ACTIVE".

### **SLS3367I** LS not enabled for host

**Explanation:** While processing the STOP or INIT command, it was found that LibraryStation had not been enabled for the host with a valid LSINIT statement in the MVS/HSC parameter data set.

**System Action:** Command processing terminates.

**User Response:** Put a valid LSINIT statement in the MVS/HSC parameter data set and restart the MVS/HSC, or issue the command on a host that is enabled.

### **SLS3368I** LS stopped

**Explanation:** The LS STOP command has completed and LibraryStation has stopped.

**System Action:** None.

**User Response:** None.

**SLS3369I** LS INIT command HOSTID CCCCCCCC does not match

**Explanation:** The HOSTID keyword was specified with the LS INIT command. However, the HOSTID specified does not match that of the executing host.

**System Action:** Command processing terminates.

**User Response:** Specify the command with the correct HOSTID or omit the HOSTID.

**SLS3370I** Error opening dataset specified on LSDEF keyword

**Explanation:** The LSINIT keyword LSDEF indicated a data set name, but there was an error opening the data set.

**System Action:** LibraryStation does not initialize.

**User Response:** Correct the problem with the data set, or specify the command with the correct data set name.

**SLS3371I** Value XXXXX not supported for CCCCCCCC DDDDDDDD parameter, line *n*

**Explanation:** The definition file for LSDEF had an invalid value, XXXXX, for the DDDDDDDD parameter on the CCCCCCCC statement on line *n*.

**System Action:** LibraryStation continues initialization, but the statement is not used.

**User Response:** Correct the problem with the parameter value and reinitialize LibraryStation.

**SLS3372I** Unrecognized statement CCCCCCCC found in LSDEF file, line *n*

**Explanation:** An initial keyword for a statement in the LSDEF file was found on line *n* that was not recognized as a valid keyword for the LSDEF file.

**System Action:** LibraryStation continues initialization, but the statement is not used.

**User Response:** Correct the keyword name or remove it and reinitialize LibraryStation.

**SLS3373I** CLIENTID missing required keyword LUNAME or IPADDR, line *n*

**Explanation:** The CLIENTID statement on line *n* had none of LUNAME or IPADDR, or XCFNAME specified. One of these must be specified on the CLIENTID statement.

**System Action:** LibraryStation continues initialization, but the statement is not used.

**User Response:** Put one of the keywords on the CLIENTID statement and reinitialize LibraryStation.

**SLS3374I** Disallowed duplicate value *XXXXX* on *CCCCCCCC DDDDDDDD* parameter, line *n*

**Explanation:** The definition file for LSDEF had a value, *XXXXX*, for the *DDDDDDDD* parameter on the *CCCCCCCC* statement on line *n*. The value duplicated a previous value, and the duplication is disallowed.

**System Action:** LibraryStation continues initialization, but the statement is not used.

**User Response:** Give the parameter a unique value and reinitialize LibraryStation.

**SLS3375I** Medium *MMMMMMMM* is incompatible with drive type *DDDDDDDD* on DRVMED statement, line *n*

**Explanation:** A medium value was specified on the DRVMED statement on line *n* for a drive type with which it is incompatible.

**System Action:** LibraryStation continues initialization, but the statement is not used.

**User Response:** Use a medium value that is appropriate for the drive and reinitialize LibraryStation.

**SLS3376I** LS does not support this MVS release

**Explanation:** An attempt was made to initialize LibraryStation on a release of MVS that it does not support.

**System Action:** LibraryStation does not initialize.

**User Response:** Initialize LibraryStation on a system that is MVS/SP 3 or MVS 4.2 and above.

**SLS3379I** LibraryStation failed to initialize due to a startup parameter error

**Explanation:** The most likely cause is an invalid parameter in the LSINIT Control Statement. Refer to the *LibraryStation Configuration Guide*.

**System Action:** LibraryStation terminates.

**User Response:** Attempt to restart LibraryStation with the LS INIT command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3380I** Ambiguous RETCOUNT parameter provided in LSINIT command string.

**Explanation:** .RETCOUNT parameter is not usable with specified COMMTYPE.

**System Action:** The RETCOUNT parameter is ignored.

**User Response:** Either remove the RETCOUNT from the LSINIT statement or change COMMTYPE (LU6/XCF) to RPC.

**SLS3401I** Invalid command CCCCCCCC

**Explanation:** An attempt was made to enter a command that was not a valid LibraryStation command.

**System Action:** The command is not executed.

**User Response:** Enter the correct command.

**SLS3402I** Error processing CCCCCCCC command

**Explanation:** A system error occurred when processing a LibraryStation command.

**System Action:** The command is not executed.

**User Response:** Contact StorageTek Software Support.

**SLS3403I** Command required

**Explanation:** An attempt was made to direct a command to LibraryStation but the command was missing.

**System Action:** The command is not executed.

**User Response:** Enter the correct command.

**SLS3404I** {START|IDLE} command successfully executed

**Explanation:** A Start or Idle command was entered and has been successfully executed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3406I** Command CCCCCCCC not executed; LS not available

**Explanation:** An attempt was made to enter a command when LibraryStation was not active.

**System Action:** The command is not executed.

**User Response:** Once LibraryStation has been initialized, re-enter the command.

**SLS3408I** DRIVE or DRIVEID keyword required

**Explanation:** A Vary command was entered and did not specify a drive identifier.

**System Action:** The command is not executed.

**User Response:** Re-enter the Vary command specifying a drive identifier.

**SLS3409I** ONLINE or OFFLINE keyword required

**Explanation:** A Vary command was entered and did not specify ONLINE or OFFLINE.

**System Action:** The command is not executed.

**User Response:** Re-enter the Vary command specifying ONLINE or OFFLINE.

**SLS3411I** LSM in driveid {AAL:PP:NN} not in configuration

**Explanation:** A command was entered referring to an invalid LSMid.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying the correct LSMid.

**SLS3412I** Request DDDDD not cancelled; request not active

**Explanation:** A Cancel command was issued for a requestid that was not active.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying the correct requestid.

**SLS3413I** Drive CCCCCCC not configured to LS

**Explanation:** A command was entered referring to an invalid driveid.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying the correct driveid.

**SLS3414I** Request *DDDDD* is non-cancelable

**Explanation:** A Cancel command was issued for a requestid that cannot be cancelled.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying the correct requestid.

**SLS3415I** Drive (*XXXX*)(*AAL:PP:NN*) varied {ONLINE|OFFLINE}

**Explanation:** A Vary command was entered for a drive and has successfully completed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3416I** Server is {idle|idle pending|running|initializing}

**Explanation:** A Display Status command was issued. The current state of LibraryStation is displayed.

**Idle** - LibraryStation has quiesced and is not accepting requests.

**Idle pending** - LibraryStation is quiescing and is not accepting requests.

**Running** - LibraryStation is active.

**Initializing** - LibraryStation is initializing.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3417I** Mount(*DDDDD1/DDDDD2*) Dismount(*DDDDD1/DDDDD2*) Enter(*DDDDD1/DDDDD2*)  
Eject(*DDDDD1/DDDDD2*)

**Explanation:** A Display Status command was issued. For each request type, *DDDDD1* indicates the number of current requests and *DDDDD2* indicates the number of pending requests.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3418I** Request *DDDDD*: command *CCCCCCCC* status *CCCCCCCC*

**Explanation:** A Display Request command was issued. The command and status of the associated request are displayed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3419I** No requests outstanding

**Explanation:** A Display Request command was issued. No requests are active or queued at this time.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3422I** IDLE is currently pending

**Explanation:** An Idle command was issued. One or more requests are outstanding.

**System Action:** LibraryStation processing continues. When all outstanding requests have completed, the LibraryStation state becomes idle.

**User Response:** To determine which requests are outstanding, a Display Request command can be issued.

**SLS3425I** ACS AA not in configuration

**Explanation:** A command was entered referring to an invalid ACSid.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying the correct ACSid.

**SLS3430I** Drive *(XXXX)(AAL:PP:NN)* currently in use

**Explanation:** A Vary command was entered referring to a drive that is in use.

**System Action:** The command is not executed.

**User Response:** Re-enter the command when the drive is available.



**SLS3431I** VARY command currently in process for drive (XXXX)(AAL:PP:NN)

**Explanation:** A Vary command was entered referring to a drive that is already the object of a previous Vary command.

**System Action:** The command is not executed.

**User Response:** Re-enter the command when the prior Vary command completes.

**SLS3432I** LS DISPLAY command requires a display type

**Explanation:** A Display command was entered without specifying a display type.

**System Action:** The command is not executed.

**User Response:** Re-enter the Display command specifying the type of display.

**SLS3433I** CCCCCCCC command cancelled

**Explanation:** A Cancel command was entered and has successfully completed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3434I** LS trace mask XXXXXXXX set for CCCC component

**Explanation:** A Trace command was entered and has successfully initiated tracing for the component specified.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3436I** {AAL:PP:NN} is an invalid driveid

**Explanation:** A command was entered referring to a driveid that is invalid.

**System Action:** The command is not executed.

**User Response:** Re-enter the command specifying a valid driveid.

**SLS3437I** Operator command service has encountered an IPC failure

**Explanation:** An interprocess communication failure has occurred while attempting to process an operator command.

**System Action:** The operator command is not executed.

**User Response:** Contact StorageTek Software Support.

**SLS3438I** Request ID (DDDDD) not in range (1-65535)

**Explanation:** A Query Request command was issued for an invalid requestid value.

**System Action:** LibraryStation processing continues.

**User Response:** Re-enter the command with a valid requestid value.

**SLS3439I** Driveid format invalid

**Explanation:** A driveid was entered that did not conform to proper driveid format.

**System Action:** The operator command is not executed for that driveid.

**User Response:** Re-enter command specifying proper driveid format.

**SLS3440I** {AAL:PP:NN}{ACS|LSM|PANEL|DRIVE} specification is invalid

**Explanation:** A driveid was entered that did not have a proper element specification.

**System Action:** The operator command is not executed for that driveid.

**User Response:** The displayed message gives the element in question: ACS, LSM, DRIVE, or PANEL. Re-enter the command with the proper element specification.

**SLS3441I** Range exceeds 100 allowable drives

**Explanation:** A command was entered that specified a range of drives that was greater than 100.

**System Action:** Only the first 100 drives are used.

**User Response:** Re-enter the command specifying a range less than 100.

**SLS3442I** Maximum allowed configured drives in request is 42

**Explanation:** A command was entered that specified a range of drives that contained more than 42 LibraryStation-configured drives.

**System Action:** Only the first 42 LibraryStation-configured drives are used.

**User Response:** Re-enter the command specifying less than 42 drives.

**SLS3443I** Last drive processed was (XXXX)

**Explanation:** A command was entered that specified either more than 42 LibraryStation-configured drives, or a range that specified more than 100 total drives. The last drive processed is displayed.

**System Action:** LibraryStation processing continues.

**User Response:** Enter the command with less than 42 LibraryStation-configured drives or a range of fewer than 100 drives.

**SLS3444I** {Drive|Drives} {XXXX/XXXX-XXXX} {is|are} not configured to LS

**Explanation:** A command was entered that contains drives that are not configured to LibraryStation. The drives are listed.

**System Action:** LibraryStation processing continues.

**User Response:** Re-enter the command with drives that are configured to LibraryStation.

**SLS3445I** Component id CCCC is not valid

**Explanation:** A Trace command was entered with an invalid component id.

**System Action:** LibraryStation processing continues.

**User Response:** Re-enter the command with a valid component id.

**SLS3447I** LS services have terminated

**Explanation:** While responding to an operator command, LibraryStation has become unavailable.

**System Action:** None.

**User Response:** Examine the SYSLOG and the HSC job log to determine why LibraryStation became unavailable. Re-enter the command after LibraryStation becomes available.

**SLS3448I** Cancel of request DDDDD scheduled

**Explanation:** A Cancel command was entered for a specific requestid and has been successfully initiated.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3463I** Current CCCCCCCC value is DDDDDDDD

**Explanation:** The SET command was entered with no value specified for the SET parameter. The SET command displays the current value for the option CCCCCCCC is the parameter specified on the SET command. DDDDDDDD is the current value for the parameter.

**System Action:** None.

**User Response:** None.

**SLS3464I** CCCCCCCC set to DDDDDDDD

**Explanation:** The parameter specified on the SET command has been set to the indicated value. CCCCCCCC is the option entered on the SET command. DDDDDDDD is the value entered on the SET command.

**System Action:** None.

**User Response:** None.

**SLS3465I** SET parameter missing

**Explanation:** A SET command was issued with no parameter.

**System Action:** SET command processing terminates.

**User Response:** Refer to the *LibraryStation Operator and System Programmer's Guide* or issue the LS "Display CMd SET" command to determine the supported parameters for the SET command.

**SLS3466I** Value not supported for SET CCCCCCCC parameter, value DDDDDD ignored

**Explanation:** An invalid value was specified for the SET command option. CCCCCCCC is the parameter entered on the SET command. DDDDDD is the value entered on the SET command.

**System Action:** SET command processing terminates.

**User Response:** Refer to the *LibraryStation Operator and System Programmer's Guide* to determine the supported values for the specified SET parameter.

**SLS3467I** Drive (XXXX)(AAL:PP:NN)Type *drive\_type*{ONLINE|OFFLINE}, {in use|available|not in library}[ ,VVVVVV]

**Explanation:** A Display Drive command was issued. The driveid is displayed in MVS device number and LibraryStation driveid formats. The drive type reported is as defined on an LSDEF DRIVETYP NAME statement. The drive state and status are displayed. If a volume is mounted on the drive, the volume serial is also displayed.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3468I** Server status

Server is {IDLE|IDLE PENDING |RUN|INITIALIZING}  
Mount(DDDDD1/DDDDD2) Dismount(DDDDD1/DDDDD2) Enter(DDDDD1/DDDDD2)  
Eject(DDDDD1/DDDDD2)

**Explanation:** A Display Status command was issued. The current state of LibraryStation is displayed.

**IDLE** - LibraryStation has quiesced and is not accepting requests.

**IDLE PENDING** - LibraryStation is quiescing and is not accepting requests.

**RUN** - LibraryStation is active.

**INITIALIZING** - LibraryStation is initializing.

For each request type, *DDDDD1* indicates the number of current requests and *DDDDD2* indicates the number of pending requests.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3469I** Request status XXX

Request *DDDDD*: command *CCCCCCCC* status *CCCCCCCC*

**Explanation:** A Display Request command was issued. The command and status of the associated request are displayed. *DDDDD* is the requestid of the Display Request command just issued.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3470I** Trace command status

LS trace mask XXXXXXXX set for CCCC component Component id CCCC is not valid

**Explanation:** A Trace command was entered. The trace mask is displayed for every component specified unless the component id entered is invalid.

**System Action:** LibraryStation processing continues.

**User Response:** Re-enter the command with a valid component id for any component ids that were invalid.

**SLS3471I** Vary command status

Drive (XXXX)(AAL:PP:NN) varied {ONLINE|OFFLINE}  
 Drive (XXXX)(AAL:PP:NN) currently in use  
 VARY command currently in process for drive (XXXX)(AAL:PP:NN)  
 LSM in driveid {AAL:PP:NN}not in configuration  
 ACS in driveid {AAL:PP:NN}not in configuration  
 {AAL:PP:NN}{ACS|LSM|PANEL|DRIVE} specification is invalid  
 Drive {XXXX|AAL:PP:NN}is not configured to LS

**Explanation:** A Vary command was entered for one or more drives. One message line is created for each drive in the request. The message line contains the status of the vary request for that drive. The Vary command has either completed successfully, been issued before for the drive or the drive is busy and cannot be varied at this time

Input to the command may have been invalid or incomplete. An invalid or unconfigured drive may have been specified as input to the Vary command. The specification of the drive id may be invalid. The drive may not be defined to LibraryStation.

**System Action:** LibraryStation processing continues.

**User Response:** If the drive has been successfully varied, no response is required.

If the drive is in use, re-enter the command when the drive is available.

If a previous Vary command for a drive is in process, re-enter the command when the prior Vary command completes.

If the LSM or ACS are not configured, re-enter the command specifying the correct LSMid or ACSid.

If the driveid specification was incorrect, the displayed message provides the element in question: ACS, LSM, DRIVE or PANEL. Re-enter the command with the proper element specification.

If the drive is not configured to LibraryStation, re-enter the command with drives that are configured.

**SLS3472I** Display drive response

```

Drive (XXXX)(AAL:PP:NN)Type drive_type
{ONLINE|OFFLINE}, {in use|available|not in library} [,VVVVVVV]
LSM in driveid {AAL:PP:NN} not in configuration
ACS in driveid {AAL:PP:NN} not in configuration {AAL:PP:NN}
{ACS|LSM|PANEL|DRIVE} specification is invalid
Drive {XXXX|AAL:PP:NN} is not configured to LS

```

**Explanation:** A Display DDrive|DRIVEId command was entered for one or more drives. One message line is created for each drive in the request. The message line contains the status of that drive. The driveid is displayed in MVS device number and LibraryStation driveid formats. The drive type reported is as defined on an LSDEF DRIVETYP NAME statement. The drive state and status are displayed. If a volume is mounted on the drive, the volume serial is also displayed.

Input to the command may have been invalid or incomplete. An invalid or unconfigured drive may have been specified as input to the Display DDrive|DRIVEId command. The specification of the driveid may be invalid. The drive may not be defined to LibraryStation.

**System Action:** LibraryStation processing continues.

**User Response:** If the drive has been successfully displayed, no response is required.

If the LSM or ACS are not configured, re-enter the command specifying the correct LSMid or ACSid.

If the drive specification was incorrect, the displayed message provides the element in question: ACS, LSM, DRIVE or PANEL. Re-enter the command with the proper element specification.

If the drive is not configured to LibraryStation, re-enter the command with drives that are configured.



## SLS3473I

CLearlock response

```
Drive (XXXX)(AAL:PP:NN){Status: all locks are cleared|Status: no
lock found for resource|Error: SSSSSSSS}
LSM in driveid {AAL:PP:NN} not in configuration
ACS in driveid {AAL:PP:NN} not in configuration
{AAL:PP:NN}{ACS|LSM|PANEL|DRIVE} specification is invalid
Drive {XXXX|AAL:PP:NN} is not configured to LS
```

**Explanation:** A CLrlock DRive|DRIVEId command was entered for a single drive. The drive and the status of the Clearlock are displayed. If all locks were cleared, this indicates that the drive no longer has any outstanding lock associated with it and is now available for use. If no locks were found, the drive was either entered incorrectly or there is some other problem that is causing it to be unavailable.

Input to the command may have been invalid or incomplete. An invalid or unconfigured drive may have been specified as input to the CLrlock DRive command. The specification of the drive may be invalid. The drive may not be defined to LibraryStation. If an unexpected error response is encountered, the error message format displays the clear\_lock\_drv\_status SSSSSSSS to assist in problem analysis.

**System Action:** If lock(s) are found for the specified drive, they are removed from the system. LibraryStation processing continues.

**User Response:** If all locks were cleared, the drive is now available for use. If no locks were found, the drive or driveid may have been specified incorrectly. Continue diagnosis to determine the problem.

If the LSM or ACS are not configured, re-enter the command specifying the correct LSMid or ACSid.

If the driveid specification was incorrect, the displayed message provides the element in question: ACS, LSM, PANEL, or DRIVE. Re-enter the command with the proper element specification.

If the drive is not configured to LibraryStation, re-enter the command with a drive that is configured.

If an error was encountered, refer to the *CSC Developer's Toolkit, ACSAPI Programmer's Guide* for a list of the clear\_lock\_drv\_status and drv\_status. If an unexpected error response is encountered that cannot be diagnosed, Contact StorageTek Software Support.

### SLS3599I LS command processing not active

**Explanation:** An attempt was made to enter a command when LibraryStation was not active.

**System Action:** The command is not executed.

**User Response:** Once LibraryStation has been initialized, re-enter the command.

### SLS3601I Processing VOLUME(*volser*), DRIVE(*AAL:PP:NN*), COMMTYPE(*CCC*), {TCPNAME(*CCCC*) | SYMDESTN(*CCCCCCCC*) | XCF(*GGGG,MMMM*) }

**Explanation:** The diagnostic test program is attempting to run diagnostic tests using volume *volser* on the library drive specified (*AAL:PP:NN*). If the COMMTYPE is RPC the tests will be done using the TCP protocol identified by TCPNAME. If the COMMTYPE is LU6 then the tests will be done using the symbolic destination name identified by SYMDESTN. If the COMMTYPE is XCF then the tests will be done using XCF with the group and member name specified.

**System Action:** The diagnostic test program continues.

**User Response:** None.

### SLS3602I {HSC|LS} is inactive or not installed

**Explanation:** The diagnostic test program has determined that the MVS/HSC or LibraryStation has not been installed and/or activated.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Verify that the MVS/HSC and LibraryStation are correctly installed and started.

### SLS3603I Unable to acquire a network packet buffer

**Explanation:** The diagnostic test program has failed while attempting to acquire the memory to create a network request to send to LibraryStation.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3604I**      Unable to initialize RPC network communications

**Explanation:** The diagnostic test program has been unsuccessful in establishing an RPC connection with the LibraryStation program. This message is accompanied by other more detailed messages that specify the reason for the connection failure.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Examine the messages issued immediately before this summary message. Remedy the problems listed in these messages and run the diagnostic test program again.

**SLS3606I**      RPC error sending {QUERY|MOUNT|DISMOUNT} request to network task

**Explanation:** The diagnostic test program has been unsuccessful in sending an RPC message to the LibraryStation program. The RPC message contained a (QUERY|MOUNT|DISMOUNT) request. This message is accompanied by other more detailed messages that specify the reason for the transmission failure.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Examine the messages issued immediately before this summary message. Remedy the problems listed in these messages and run the diagnostic test program again.

**SLS3607I**      {QUERY|MOUNT|DISMOUNT} request successfully sent to network task

**Explanation:** The diagnostic test program has been successful in sending an RPC message to the LibraryStation program. The message contains a (QUERY|MOUNT|DISMOUNT) request.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3608I** Time out waiting for {ACKNOWLEDGEMENT|RESPONSE} from {QUERY|MOUNT|DISMOUNT} request

**Explanation:** The diagnostic test program has timed out waiting for an RPC message from the LibraryStation program. This message was expected to contain an (ACKNOWLEDGEMENT|RESPONSE) from a message successfully sent that contained a (QUERY|MOUNT|DISMOUNT) request.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Examine the MVS SYSLOG for messages pertaining to LibraryStation activity. If messages indicate that LibraryStation received the diagnostic program request and responded, compare the destination program number, address, and port with the same information written to the diagnostic program SYSPRINT data set. Contact StorageTek Software Support for assistance.

**SLS3611I** Failure creating UDP transport mapping

**Explanation:** The diagnostic test program was unsuccessful in establishing a UDP transport (socket) to use for communications with LibraryStation.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3612I** Failure registering as a client

**Explanation:** The diagnostic test program was unsuccessful in registering with RPC as a client service for communications with LibraryStation.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3613I** Failure creating RPC connection, RPC msg is *MMMMM*

**Explanation:** The diagnostic test program was unsuccessful in establishing a UDP connection with the LibraryStation registered program number.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3614I** Failure sending RPC request, RPC msg is *MMMMM*

**Explanation:** The diagnostic test program was unsuccessful in sending a message using the UDP protocol to the LibraryStation registered program number.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3615I** Invalid RPC procedure number received

**Explanation:** The diagnostic test program received a message from LibraryStation or another application that it could not identify.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3616I** Network packet error occurred in XDR translation

**Explanation:** The diagnostic test program was unsuccessful in decoding (deserializing) a message received from LibraryStation or another application.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3617I** QUERY SERVER response: state {RUNNING | IDLE | IDLE\_PENDING}, status {SUCCESS | PROCESS\_FAILURE | DATABASE\_ERROR}, free cells *NNNNNN*

**Explanation:** The diagnostic test program has received and decoded a final response message for a Query\_server request that it sent to LibraryStation. The message contains the results that LibraryStation sent to the diagnostic test program. "Free cells" indicates all free cells in all ACSs.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3618I** MOUNT response: valid *volser*, drive *AAL:PP:NN*, status *CCCCCCCC*

**Explanation:** The diagnostic test program has received and decoded a final response message for a Mount request for valid *volser* on driveid *AAL:PP:NN* that it sent to LibraryStation. The message contains the Status request that LibraryStation sent to the diagnostic test program.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3619I** DISMOUNT response: valid *volser*, drive *AAL:PP:NN*, status *CCCCCCCCC*

**Explanation:** The diagnostic test program has received and decoded a final response message for a Dismount request for valid *volser* on driveid *AAL:PP:NN* that it sent to LibraryStation. The message contains the Status request that LibraryStation sent to the diagnostic test program.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3620I** Received request response for unsupported diagnostic command

**Explanation:** The diagnostic test program received a response message from LibraryStation for a command that it does not support.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3621I** {QUERY|MOUNT|DISMOUNT} request acknowledgment received

**Explanation:** The diagnostic test program received an acknowledgment message from LibraryStation for the command listed in the message text.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3622I** Invalid library client parameters: *PPPPPPP*, status *SSSSSSS*

**Explanation:** The diagnostic test program determined that an input parameter was invalid.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Correct the invalid parameter and rerun the diagnostic test program.

**SLS3623I** Error obtaining transient program number

**Explanation:** The diagnostic test program was unable to obtain a program number to use for registering as a client service.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3624I** Error obtaining host name or inet address, status CCCCCCCC

**Explanation:** The diagnostic test program experienced an RPC error while querying RPC for the local host's internet address. This address is used to communicate with LibraryStation on this host. The status CCCCCCCC of the error is listed in the message text.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3625I** Library diagnostic test program ended with RC = {0|4|8|12}

**Explanation:** The diagnostic test program has ended. The highest return code encountered while running the diagnostic test program is listed in the message text.

**System Action:** All diagnostic test program processing is now ended.

**User Response:** Examine the return code. The description of the severity and nature of the return codes is

- 0 - All diagnostic tests completed successfully
- 4 - A diagnostic request to Query, Mount or Dismount was not successful
- 8 - LibraryStation or MVS/HSC software error (ABEND or STATUS\_PROCESS\_FAILURE)
- 12 - Network Communications failed or LibraryStation of MVS/HSC inactive or not installed

If the return code is not 0, then examine the messages in the SYSPRINT data set to determine the nature and extent of the error conditions. Correct the problems and rerun the diagnostic test program until a return code of 0 is returned.

**SLS3627I** Invalid diagnostic request CCCCCCCC received

**Explanation:** A request was received that is not supported by the diagnostic test program.

**System Action:** The diagnostic test program ends execution of its test suites.

**User Response:** Contact StorageTek Software Support.

**SLS3628I** Received network packet from netaddr *NNNNNNNN*, port *NNNN*

**Explanation:** The diagnostic test program received a message from LibraryStation or another application. The network address and port of the sender are listed in the message text.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3629I** Failure unmapping previously registered RPC service

**Explanation:** The diagnostic test program was attempting to unmap its registered program number from RPC during shutdown and encountered an error.

**System Action:** Shutdown and termination of the diagnostic test program continues.

**User Response:** Contact StorageTek Software Support.

**SLS3633I** Processing VOLUME *volser*, DRIVEID(*AAL:PP:NN*), COMMTYPE(*CCC*),  
{TCPNAME(*CCCCCCCC*)|SYMDESTN(*CCCCCCCC*)|XCF(*GGGG,MMMM*)}

**Explanation:** The diagnostic test program is attempting to run diagnostic tests using volume *volser* on the library drive specified (*AAL:PP:NN*). If the COMMTYPE is RPC, the tests will be done using TCP identified by TCPNAME. If the COMMTYPE is LU6 then the tests will be done using the symbolic destination name identified by SYMDESTN. If the COMMTYPE is XCF then the tests will be done using XCF with the group and member name specified.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3634I** Processing VIRTUAL\_DRIVE(*XXXX*), COMMTYPE(*CCC*),  
{TCPNAME(*CCCCCCCC*)|SYMDESTN(*CCCCCCCC*)|XCF(*GGGG,MMMM*)}

**Explanation:** The diagnostic test program is attempting to run diagnostic tests using virtual\_drive *XXXX* where *XXXX* is the MVS unit address of the virtual\_drive. If the COMMTYPE is RPC, the tests will be done using TCP identified by TCPNAME. If the COMMTYPE is LU6 then the tests will be done using the symbolic destination name identified by SYMDESTN. If the COMMTYPE is XCF then the tests will be done using XCF with the group and member name specified.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.



**SLS3635I** QUERY DRIVE response: query\_drive\_status  
 {SUCCESS|PROCESS\_FAILURE},VIRTUAL\_DRIVE(XXXX), VOLUME volser,  
 drive\_status{PROCESS\_FAILURE|DRIVE\_IN\_USE|DRIVE\_AVAILABLE}

**Explanation:** The diagnostic test program has received and decoded a final response message for a Query\_Drive request that it sent to LibraryStation. The message contains the results that LibraryStation sent to the diagnostic test program. XXXX is the MVS unit address of the virtual\_drive.

**System Action:** The diagnostic test program continues execution of its test suites.

**User Response:** None.

**SLS3701I** Unexpected vary state CCCCCCCC detected

**Explanation:** An invalid condition was detected.

**System Action:** The Vary request stops.

**User Response:** Contact StorageTek Software Support.

**SLS3702I** Drive (XXXX)(AAL:PP:NN) now {ONLINE | OFFLINE}

**Explanation:** The specified drive has been varied online or offline.

**System Action:** None.

**User Response:** None.

**SLS3726I** Invalid Mount/Dismount command CCCCCCCC received

**Explanation:** The LibraryStation Mount/Dismount process has received an unexpected command CCCCCCCC from the Library Manager (LM) component.

**System Action:** The processing of this unexpected command is aborted.

**User Response:** Contact StorageTek Software Support.

**SLS3728I** *RRRRRRRRRRRRRR* from client *NNNNNNNNNNNNNNNN* *UUUUUUUUU* of *CCCCCCCC(VVVVVV)* on drive(*XXXX*) (*AAL:PP:NN*)- {READ auth'd|UPDATE auth'd|authorized}

**Explanation:** A network request *RRRRRRRRRRRRRR* from LibraryStation client netaddr *NNNNNNNNNNNNNNNN* client userid *UUUUUUUUU* has attempted to access volume *VVVVVV* defined in security class *CCCCCCCC*. Drive (*XXXX*) (*AAL:PP:NN*) was specified in the request. Access is either READ or UPDATE authorized for a mount request; or simply authorized for a dismount request.

**System Action:** LibraryStation processing continues.

**User Response:** No response is required.

**SLS3729I** *RRRRRRRRRRRRRR* from client *NNNNNNNNNNNNNNNN* of *CCCCCCCC(VVVVVV)* on drive(*XXXX*) (*AAL:PP:NN*) - {READ authorized|UPDATE authorized|authorized}

**Explanation:** A network request *RRRRRRRRRRRRRR* from LibraryStation client netaddr *NNNNNNNNNNNNNNNN* has attempted to access volume *VVVVVV* defined in security class *CCCCCCCC*. Drive (*XXXX*) (*AAL:PP:NN*) was specified in the request. Access is either READ or UPDATE authorized for a mount request; or simply authorized for a dismount request.

**System Action:** Librarystation processing continues.

**User Response:** No response is required.

**SLS3730I** *RRRRRRRRRRRRRR* from client *NNNNNNNNNNNNNNNN* *UUUUUUUUU* of *CCCCCCCC(VVVVVV)* {on|from} drive(*XXXX*) (*AAL:PP:NN*) - Complete

**Explanation:** A network request *RRRRRRRRRRRRRR* from LibraryStation client netaddr *NNNNNNNNNNNNNNNN* client userid *UUUUUUUUU* has successfully completed the request for volume *VVVVVV* defined in security class *CCCCCCCC* using drive (*XXXX*) (*AAL:PP:NN*). For mount/dismount requests client userid *UUUUUUUUU* is only visible if VOLACC(YES) has been specified in the LSINIT control statement. Client userid *UUUUUUUUU* is never visible for mount scratch requests.

**System Action:** Librarystation processing continues.

**User Response:** No response is required.

**SLS3800I** All lock identifiers in use

**Explanation:** A lock request has been received but there are no lock identifiers values that are available for use.

**System Action:** The lock request fails.

**User Response:** Probable client error. Contact StorageTek Software Support.

**SLS3850I** Unable to register with APPC/MVS - not available

**Explanation:** LibraryStation has attempted to register for allocation with the APPC/MVS address space but APPC/MVS is not up.

**System Action:** LibraryStation will continue to try to register with APPC every 30 seconds.

**User Response:** Start APPC/MVS.

**SLS3851I** APPC/MVS error: *FFFFFFFF,AAAAAAAA,EE,RR,SSSSSSSS*

**Explanation:** The LibraryStation function *FFFFFFFF* issued the APPC/MVS call *AAAAAAAA* which resulted in an error. *EE* is the return code and *RR* is the reason code returned by *AAAAAAAA*. *SSSSSSSS* is the symbolic destination name that LibraryStation used to register with APPC/MVS.

**System Action:** If the problem occurs during LibraryStation initialization, initialization fails. If the problem occurs after LibraryStation initialization is complete, LibraryStation processing continues, however, LU6.2 client communication may not be possible. LibraryStation will try to recover by attempting to reregister with APPC/MVS.

**User Response:** See *IBM Application Development: Writing Servers for APPC/MVS* (GC28-1070) for a detailed explanation of each possible combination of return code *EE* and reason code *RR*. Note: If an error occurs on the APPC/MVS “Register-for-Allocates” (ATBRFA2) call, this usually indicates there is a problem with the side information identified by the symbolic destination name *SSSSSSSS*. If the problem persists contact StorageTek Software Support.

### **SLS3852I** LU6.2 error: *FFFFFFFF,CCCCC,EE,[PPPPPPP]*

**Explanation:** An LU6.2 communication error occurred between LibraryStation and a client system. The LU6.2 LibraryStation function *FFFFFFFF* issued the CPI/C call *CCCCC* which resulted in an error. *EE* is the error return code from *CCCCC*. *PPPPPPP* is the logical unit name of the client system.

**System Action:** All communication with the client system ceases. If the error occurred while LibraryStation is processing a request, all responses for that request are lost.

**User Response:** See *IBM System Application Architecture Common Programming Interface Communications Reference* (SC26-4399) for detailed information about the error return code. Note: A return code of 17 (CM\_DEALLOCATED\_ABEND) usually means that the client system has terminated abnormally and does not indicate a LibraryStation problem. If the problem persists, contact StorageTek Software Support.

### **SLS3902I** Memory allocation failed

**Explanation:** An attempt was made to allocate more memory than was available.

**System Action:** The current process fails. LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.

### **SLS3905I** Unexpected network communications error; status *NNNNNNNN*

**Explanation:** LibraryStation received a network interface failure. *NNNNNNNN* is the status code for the failure. Possible status codes are STATUS\_NI\_FAILURE and STATUS\_RPC\_FAILURE.

**System Action:** LibraryStation processing continues.

**User Response:** Verify that TCP/IP and the TCP/IP Portmapper are active, and that TCP/IP is configured properly. If the problem persists, contact StorageTek Software Support.

### **SLS3911I** Sending message to socket *SSSSSSSS* failed

**Explanation:** A LibraryStation process was unable to send a message to another process, socket name *SSSSSSSS*.

**System Action:** LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3912I**      Signaling process *PPPPPPPP* with *SSSSSSSS* failed on *EEEEEEEE*

**Explanation:** LibraryStation was unable to signal process *PPPPPPPP* with signal *SSSSSSSS*. Error return code was *EEEEEEEE*.

**System Action:** The process signaled is assumed to be terminated. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3919I**      LS is now {idle|idle pending|running}

**Explanation:** LibraryStation has received an Idle or Start command. The command status is idle, idle pending, or running.

**System Action:** LibraryStation processing continues.

**User Response:** None.

**SLS3924I**      Unexpected command *CCCCCCCC*

**Explanation:** LibraryStation has detected a request with an unexpected command type *CCCCCCCC*.

**System Action:** The request is not processed. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3931I**      Unexpected request originator *00000000*

**Explanation:** A LibraryStation request processor received a request from a type *00000000* process.

**System Action:** The request is ignored and the request processor terminates. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

**SLS3932I**      Unexpected signal *SSSSSSSS*

**Explanation:** A LibraryStation process received an unexpected signal *SSSSSSSS*.

**System Action:** The signal is ignored. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

### **SLS3933I** Unexpected state SSSSSSSS

**Explanation:** A LibraryStation process encountered a LibraryStation state SSSSSSSS it was not prepared for.

**System Action:** The process may or may not be able to recover; normally it will terminate. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

### **SLS3934I** Unexpected status SSSSSSSS

**Explanation:** A LibraryStation process encountered a LibraryStation status SSSSSSSS it was not prepared for.

**System Action:** The process may or may not be able to recover; normally it will terminate. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

### **SLS3935I** Unexpected type TTTTTTTT

**Explanation:** A LibraryStation process encountered a LibraryStation type TTTTTTTT it was not prepared for.

**System Action:** The process may or may not be able to recover; normally it will terminate. LibraryStation processing continues.

**User Response:** If the problem persists, contact StorageTek Software Support.

### **SLS3939I** Unsupported version VVVVVVVV packet discarded

**Explanation:** LibraryStation has received a request with an unsupported version VVVVVVVV.

**System Action:** Processing of the request is terminated and the request is discarded. LibraryStation processing continues.

**User Response:** Determine the LibraryStation network client(s) that is incompatible with the LibraryStation release being used. If the problem persists, contact StorageTek Software Support.

**SLS3944I** CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

**Explanation:** An error occurred in LibraryStation.

CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC contains information about where the error occurred.

**System Action:** The active task terminates. A dump may be taken prior to the issuance of this message.

**User Response:** If LibraryStation terminates, attempt to restart it with the LS INIT operator command. If LibraryStation continues to fail, contact StorageTek Software Support.

**SLS3945I** CCCCCCCC1 authorize failed; client NNNNNNNNNNNNNNN CCCCCCCC2 tried CCCCCC3 of CCCCCCCC4(VVVVVV)

**Explanation:** A LibraryStation client, netaddr NNNNNNNNNNNNNNN, userid CCCCCCCC2 (VOLACC(YES)) or the HSC address space (VOLAUTH(YES)) has attempted to access a volume and has been denied. The client issued a command CCCCCC1 that required authority READ or UPDATE to the volume. The volume VVVVVV is defined in security class CCCCCCCC4.

**System Action:** The client request is rejected. LibraryStation processing continues.

**User Response:** If the problem persists, contact your security administrator.

**SLS3946I** CCCCCCCC1 received CCCCCCCC2 error rc = EE1 rsn = EE2 A non-zero return code was received from XCF macro CCCCCCCC2 The hexadecimal return code is EE1. The hexadecimal reason code is EE2.

**Explanation:** Depending of the severity of the problem, XCF signalling may continue.

**User Response:** Locate the return and reason code for the specified macro in the appropriate IBM manual documenting the XCF macros and attempt to correct the problem. For IXCJOIN, return code 8, reason code 8 indicates that the member already exists. If the problem persists, contact StorageTek Software Support.

**SLS3947I** CCCCCCCC1 received error rc = EE from CCCCCCCC2

**Explanation:** While processing requests related to XCF, the hexadecimal return code EE was received.

**System Action:** Depending of the severity of the problem, XCF signalling may continue.

**User Response:** Contact StorageTek Software Support.

**SLS3998I**      Format undefined for message code *DDDD*

**Explanation:** A LibraryStation module attempted to issue a message but no message template exists.

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.

**SLS3999I**      *CCCCCCCC1* received unexpected status *SSSSSSSSSSSS* from *CCCCCCCC2*

**Explanation:** One module *CCCCCCCC1* received an unexpected return code from another module *CCCCCCCC2*.

**System Action:** LibraryStation processing continues.

**User Response:** Contact StorageTek Software Support.



## Chapter 3. Table Values

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### Abend Reason Codes

Under certain conditions, LibraryStation purposely abends with a user completion code 1096 (X'448'). The LibraryStation routine that issues the abend typically takes an SVC dump and produces a SYS1.DUMP data set. It provides an abend reason code that appears in register 15 when the abend occurs.

LibraryStation abend reason codes are listed in the following table:

**Table 2. Abend Reason Codes**

Hex Value	Module Name	Description
X'1001'	SLGHADM	An error was detected when calling SLSSRMM to determine all valid drive and media types.
X'1002'	SLGHDRM	An error was detected when calling SLSSRMM to determine all valid media types for a specific drive type.
X'1003'	SLGHTDM	An error was detected when calling SLSSRMM to determine all valid media types for a specific drive type.

## System Return Codes

System return codes (also called “Errno values”) are displayed with LibraryStation messages. The system return code message represents the most recent error or warning condition detected by the runtime library. If no error or warning condition is detected, the value is 0.

System return codes are listed in the following table:

**Table 3. System Return Codes**

Number	Description
1	Math domain error.
2	Math range error
3	Out of memory
4	File not open.
5	File not found.
6	File attribute conflict.
7	Unsupported I/O operation.
8	No space in file.
9	Physical device error.
10	Previous error not cleared.
11	Data conversion error.
12	Internal limit exceeded.
13	Undefined argument value.
14	System interface error.
15	File format errors.
16	Incorrect function usage.
17	Runtime system internal error.
18	Function precluded by runtime operations.
19	File in use.
20	Interrupted by signal.
21	Attempt to add record with duplicate key.
22	File contents correct or incorrect.
23	Program does not have access to this socket.
24	Non-blocking I/O in use and call would have blocked.

**Table 3. System Return Codes (Continued)**

Number	Description
25	The connection has begun but control is returned so that the call will not block. The connection is complete when the select() call says that the socket is ready for writing.
26	(Non-blocking I/O) an earlier connect call has not yet completed.
27	The given file descriptor is not a socket.
28	Socket operation requires a destination address.
29	A datagram socket could not accommodate a message as large as this one.
30	Protocol not consistent with socket type.
31	Socket option or option level not consistent with protocol.
32	Unknown or invalid protocol.
33	Socket type not supported.
34	The call does not support this type of socket.
35	Invalid or unsupported protocol family.
36	Addressing family not supported or not consistent with socket type.
37	The given address is already in use.
38	The given address is not available on the local host.
39	Can't talk to the networking software on this machine, or the local host's network is down.
40	This host cannot reach the specified destination network.
41	The peer's host dropped or reset its network communications.
42	The local communications software aborted the connection.
43	The connection was reset by the peer.
44	The operating system did not have enough memory to perform the requested operation.
45	The socket is already connected.
46	The given socket is not connected.
47	The session has already been shut down.
48	The attempt to establish a connection times-out.
49	The connection attempt was refused.
50	Socket operation failed because the destination host was down.
51	Socket operation failed because the destination host was unreachable.
100	Dead lock.

**Table 3. System Return Codes (Continued)**

Number	Description
101	TCB attach failure.
102	TCB search failure.

## Remote Procedure Call (RPC) Messages

Remote Procedure Call (RPC) messages (also called “Sperrno values”) are communication-related messages that provide information about remote communications between LibraryStation and a network client system.

RPC messages include the following:

**RPC: SUCCESS**

Successful completion.

**RPC: CAN'T ENCODE ARGUMENTS**

The client could not XDR the arguments it is to pass to the remote procedure.

**RPC: CAN'T DECODE RESULT**

The client could not XDR the result returned from the remote procedure.

**RPC: UNABLE TO SEND**

The client could not send an RPC CALL to the remote procedure.

**RPC: UNABLE TO RECEIVE**

The client could not receive the RPC REPLY from the remote procedure.

**RPC: TIMED OUT**

The client did not get a response from the server within an allowable amount of time.

**RPC: INCOMPATIBLE VERSIONS OF RPC**

The version of the RPC protocol used by the server and the client are not equal.

**RPC: AUTHENTICATION ERROR**

The authentication check failed on the remote system.

**RPC: PROGRAM UNAVAILABLE**

The program is not available on the remote system.

**RPC: PROGRAM/VERSION MISMATCH**

The program and version are not available on the remote system.

**RPC: PROCEDURE UNAVAILABLE**

The requested procedure of the selected program on the remote system is not available for use.

**RPC: CAN'T DECODE ARGUMENTS**

The remote system could not understand the arguments passed to the selected program.

**RPC: REMOTE SYSTEM ERROR**

The remote system had a major failure while trying to execute the selected program.

**RPC: UNKNOWN HOST**

The user selected a remote host system which is unknown to the DNR.

**RPC: UNKNOWN PROTOCOL**

The user specified an unsupported protocol to be used for transport.

**RPC: PORT MAPPER FAILURE**

The remote host's portmapper could not be communicated with properly.

**RPC: PROGRAM NOT REGISTERED**

The remote program is not registered with the remote host's portmapper.

**RPC: FAILED (UNSPECIFIED ERROR)**

The error was not specific enough to justify its own error code.

**RPC: (UNKNOWN ERROR CODE)**

The error is not decipherable.



## Appendix A. Gathering Diagnostic Materials

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During problem resolution, Software Support may request that you provide specific diagnostic material. While printed format may be accepted, machine readable data (on magnetic tape) is preferred. For small amounts of data, Software Support may request that you FAX the data. Doing this may significantly reduce the time needed to resolve your problem.

### LibraryStation Diagnostic Materials

The following LibraryStation diagnostic materials might be requested by Software Support:

- Details of circumstances
- GTF Trace data set
- MVS SYSLOG
- LAN packet trace
- Dump data set
- Startup parameters defined (including LSINIT and LSDEF control statements)
- HSC LIBGEN
- Copy of HSC Control Data Set (CDS)
- Copy of LibraryStation Persistent Data File (PDF)

### Tape Format

If Software Support requests a tape of your diagnostic materials copy the requested files to tape using standard utility programs.

If Software Support requests a tape of your SYSMDUMP or SYS1.DUMP, dump using IEBGENER or IPCS DCB=(RECFM=FB,LRECL=4160,BLKSIZE=4160). Failure to follow this requirement may delay problem resolution.

Include a description of the tape contents, including any information necessary for Software Support to retrieve the files from the tape (i.e. tape volume serial number and label attributes, number of tape files, file names and attributes, etc.)

See the *Requesting Help from Software Support* guide for more information.





## **Appendix B. Message Change Summary**

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This appendix lists messages that have been added, changed, or deleted for LibraryStation Release 5.1.

### **New Messages**

None.

### **Changed Messages:**

None.

### **Deleted Messages**

None.



# Glossary

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Terms are defined as they are used in the text. If you cannot find a term here, check the index.

## A

**ABEND**— Abnormal end of task.

**ACS**— Automated Cartridge System.

**ACSL**— Automated Cartridge System Library Server.

**ACSLS ONC RPC protocol**— A request processing protocol that defines valid requests from network client systems, corresponding to an application layer of the ISO OSI reference model.

**ACS Library**— A library is composed of one or more Automated Cartridge Systems, attached tape cartridge drives, and cartridges residing in the ACSs.

**Advanced Program to Program Communication (APPC)**— A set of inter-program communication services that support cooperative transaction processing in a SNA network. APPC is the implementation, on a given system, of SNA's logical unit type 6.2.

**APPC/MVS**— The implementation of SNA's 6.2 and related communication services in the MVS base control program.

**Automated Cartridge System**— The library subsystem consisting of one or two Library Management Units (LMUs) and from one to 16 Library Storage Modules (LSMs) connected to the LMUs.

**Automated Cartridge System Library Server** — Unix®-based software that interprets library commands from client applications or library operators and routes them to the appropriate LMU.

## C

**CAP**— Cartridge Access Port. Also, the LibraryStation CAP Request Processor component.

**cartridge tape control unit**— A microprocessor-based unit logically situated between a channel and up to 16 cartridge transports that translates channel commands into transport commands and sends transport status to the channel.

**CDS**— Control Data Set.

**CETI**— Continuously Executing Transport Interface.

**CL**— LibraryStation Common Library component.

**client system**— See network client system.

**Client System Component (CSC)**— Software that provides an interface between the client computing system's operating system and the StorageTek library software, such as LibraryStation and the HSC.

**Client System Interface (CSI)**— The component of the LibraryStation subsystem that provides the RPC server interface to network clients.

**client system user**— A person who executes applications on a client system.

**Continuously Executing Transport Interface (CETI)**— An IBM communications channel protocol.

**Control Data Set (CDS)**— The data set used by the HSC software to control the functions of the ACS.

**Control Path Adaptor (CPA)**— A hardware component required by LibraryStation that converts an Ethernet communications packet to an IBM-compatible communications packet.

**CPA**— Control Path Adaptor.

**CSC**— Client System Component.

**CSE**— Customer Service Engineer.

**CSCI**— Client System Communications Interface

**CSI**— Client System Interface.

**CSR**— Customer Service Representative.

**CSS**— Central Software Support.

**CSSC**— Customer Service Support Center.

## D

**Database Manager (DBM)**— A LibraryStation software component that is responsible for managing pertinent data objects that are not controlled by the HSC, including resource locks and drive status.

**DASD**— Direct Access Storage Device.

**DB**— LibraryStation Persistent Data File Manager component.

**DBM**— Database Manager.

**Direct Access Storage Device (DASD)**— A device in which access time is effectively independent of the location of the data.

**dynamic server switching**— The capability of switching server processors when a system failure occurs on the active server.

## E

**EC**— Error Codes.

**ENQ**— Enquiry character.

**ERP**— European Support Center.

## F

**FIPS**— Federal Information Processing Standard.

## G

**Generalized Trace Facility (GTF)**— A program that records significant system events for use in problem determination.

**GRS**— Global Resource Serialization.

**GTF**— Generalized Trace Facility.

## H

**heterogeneous**— Of a dissimilar type or nature.

**homogeneous**— Of the same or similar type or nature.

**Host Software Component**— The StorageTek software that provides client volume location information through its Control Data Set (CDS) and provides the interface to the Nearline ACS hardware and client operator console.

**HSC**— Host Software Component.

**host system**— A computer that controls the access method for a network and provides services to client systems, such as an MVS host system that provides ACS library services to heterogeneous client systems such as a StorageTek NearNet System.

## I

**IBM**— International Business Machines Corporation.

**id**— Identifier or identification.

**IF**— LibraryStation Information Manager component.

**IPC**— Interprocess Communication.

**IPCS**— Interactive Problem Control System.

**ISO**— International Standards Organization.

**IT**— LibraryStation Initialization/Termination component

**I/O**— Input/output.

## J

**JCL**— Job Control Language.

**Job Control Language**— A control language used to identify a job to an operating system and to describe the job's requirements.

## K

**KSDS**— Keyed Sequential Data Set.

## L

**LAN**— Local Area Network.

**LCF**— Library Communication Facility.

**LCU**— Library Control Unit.

**Library Communication Facility**— Software required by LibraryStation that directs a communications packet to LibraryStation and provides the additional communications information that is required for the message to be accepted by LibraryStation.

**Library Control Unit**— The portion of an LSM that controls the LSM's robotic movements.

**library drive**— A cartridge transport attached to an LSM that is connected to and controlled by a client system.

**Library Management Unit (LMU)**— The portion of the Automated Cartridge System (ACS) that coordinates LSM communication and communicates with the HSC.

**LibraryStation**— Software that allows MVS hosts to share Automated Cartridge System facilities with heterogeneous network client systems.

**Library Storage Module (LSM)**— The portion of the Automated Cartridge System (ACS) that selects, mounts, dismounts, and stores tape cartridges.

**LM**— LibraryStation Library Manager component.

**LO**— LibraryStation Lock Manager component.

**Local Area Network (LAN)**— A data network located on the user's premises that uses serial transmission for direct communication among data stations.

**LMU**— Library Management Unit.

**LP**— Logical Port.

**LS**— LibraryStation.

**LSM**— Library Storage Module.

**LU6.2**— Logical Unit 6.2.

## M

**MT**— LibraryStation Mount Request Processor component.

**MVS**— Multiple Virtual Storage.

**MVS/HSC**— The MVS version of StorageTek Host Software Component software.

## N

**network client system**— A computer that is connected to a host system in a network, such as a StorageTek NearNet system that communicates through an Ethernet network with an MVS host system.

**network interface adaptor**— Equipment that provides an electrical and logical interface between a network and specific equipment attached to the network.

## O

**ONC**— Open Network Computing.

**OS**— LibraryStation Operating System Interface component.

**OSI**— Open Systems Interconnection.

## P

**PCR**— Product Change Request

**Persistent Data File (PDF)**— One or more VSAM data files that contain data objects including resource locks and drive status that are managed by the LibraryStation DBM.

**PDF**— Persistent Data File.

**PN**— Part Number.

**pool**— A collection of tape cartridges having one or more similar features or attributes, such as a pool of scratch tapes.

**Program Change Request (PCR)**— A request for enhancement of a software program.

**Program Temporary Fix (PTF)**— A software program designed to remedy one or a series of defects in an existing software program.

**Program Update Tape (PUT)**— One or more tapes containing updates to a software program.

**PTF**— Program Temporary Fix.

**PUT**— Program Update Tape.

## Q

**QU**— LibraryStation Query Request Processor component.

## R

**RACF**— Resource Access Control Facility.

**Resource Access Control Facility (RACF)**— An IBM-licensed program that provides access control by identifying and verifying the users to the system.

**RPC**— Remote Procedure Call.

## S

**SA**— LibraryStation System Administrator component.

**SAF**— System Authorization Facility.

**SCR**— LibraryStation Scratch Request Processor component.

**scratch**— An attribute of a tape cartridge that indicates it is blank or contains no useful data.

**SCSI**— Small Computer System Interface.

**SMP/E**— System Modification Program Extended.

**SSR**— Software Support Representative.

**STK**— StorageTek Stock Market symbol.

**StorageTek**— Storage Technology Corporation.

**Storage Management Component (SMC)**— Software interface between IBM's OS/390 and z/OS operating systems and StorageTek real and virtual tape hardware. SMC performs the allocation processing, message handling, and SMS processing for the NCS solution. It resides on the MVS host system with HSC and/or MVS/CSC, and communicates with these products to determine policies, volume locations, and drive ownership.

**System Authorization Facility (SAF)**— A security program (such as RACF) that provides access control by verifying users who attempt to access the system.

**System Modification Program Extended (SMP/E)**— An IBM-licensed program used to install software programs.

## T

**tape cartridge drive**— A device containing cartridge transports and their associated power and pneumatic supplies.

**TCU**— Tape Control Unit.

**Tape Management System (TMS)**— A program that manages a tape library (such as CA-1), also called a tape library management system (TLMS).

**TCP/IP (Transmission Control Protocol/Internet Protocol)**— A family of protocols that provides communication between two computer systems.

**TMS**— Tape Management System.

## V

**VA**— LibraryStation Vary Request Processor component.

**Virtual Storage Manager (VSM)**— A storage solution that virtualizes volumes and transports in a VTSS buffer in order to improve media and transport use.

**Virtual Tape Control System (VTCS)**— The primary host code for the Virtual Storage Manager (VSM) solution. This code operates in a separate address space, but communicates closely with HSC.

**Virtual Tape Storage Subsystem (VTSS)**— The DASD buffer containing virtual volumes (VTVs) and virtual drives (VTDs). The VTSS is a StorageTek RAID 6 hardware device with microcode that enables transport emulation. The RAID device can read and write "tape" data from/to disk, and can read and write the data from/to a real tape drive (RTD).

**volume identifier**— A six-character string that uniquely identifies a tape cartridge to the database.

The tape cartridge must have a matching external label unless a virtual label has been assigned.

**volume**— A tape cartridge or DASD drive.

**volume serial number (volser)**— A six-character alphanumeric label used to identify a tape volume.

**Virtual Storage Access Method (VSAM)**— An access method for indexed or sequential processing of fixed and variable length records on direct access devices.

**VSAM**— Virtual Storage Access Method.

**VTAM**— Virtual Telecommunications Access Method.

**XCF**— The MVS cross-system coupling facility, which allows MVS images connected to a sysplex to communicate with each other.





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